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## CLAIM AMENDMENTS

## 1 - 57. (canceled)

- (currently amended) A method of filling a row of 58. 1 bags, the method comprising the steps of: 2 a) conveying the row of bags horizontally until one of 3 the bags is open upward into alignment underneath a filling 5 apparatus; b) stopping the one bag underneath the filling apparatus and, while the one bag is stopped underneath the apparatus and 7 without vertical displacement of the one bag, thereafter 8 sequentially c) shifting the apparatus from a position wholly above 10 11 the one stopped bag into a position opening inside the one stopped bag generally at a base of the one stopped bag; 12 c) pouring bulk material from the apparatus into the one 13 stopped bag d) while simultaneously raising the apparatus upward 14 until the one stopped bag is generally full and to a predetermined 15 upper position is reached with the apparatus still engaged in the 16 17 one stopped bag
  - d') pouring a predetermined volume of the material
     into the one stopped bag and thereafter
  - d") monitoring a weight of the one stopped bag and pouring the material into the one stopped bag

22 until the bag's weight reaches a predetermined
23 desired weight;

- 24 e) stopping pouring of the material from the apparatus
  25 when the upper position is reached bag's weight reaches the
  26 predetermined desired weight;
  - f) lifting the apparatus out of the one stopped bag;
- g) thereafter displacing the one stopped bag horizontally out from underneath the apparatus; and
- h) repeating steps a) through g) with the next bag in the succession row of bags.
- 59. (previously presented) The bag-filling method defined in claim 58 wherein the bags are conveyed at a fixed height without substantial vertical displacement.
- 1 60. (previously presented) The bag-filling method 2 defined in claim 58 wherein the apparatus is shifted down into the 3 bag at a speed different from that at which it is raised in the 4 bag.

## 61. (canceled)

1 62. (currently amended) The bag-filling method defined
2 in claim [[61]] 58 wherein during step d') the material is poured
3 at a greater volume/time rate than during step d").

- 1 63. (previously presented) The bag-filling method
- defined in claim 58, further comprising the step of:
- i) sealing the bags in a sealing station downstream of
- the filling apparatus.
- 1 64. (previously presented) The bag-filling method
- defined in claim 58, further comprising prior to step c) the step
- 3 of
- b') laterally squeezing the bags to open same.
- 1 65. (currently amended) The bag-filling method defined
- in claim 64 wherein the bags are laterally squeezed by being
- gripped at gripping opposite edges of the bags and then pushing the
- gripped opposite edges toward each other.
- 1 66. (previously presented) The bag-filling method
- defined in claim 58, further comprising the step of
- aspirating dust from the bag at the filling apparatus.

1 67. (currently amended) An apparatus for filling a row of bags, the apparatus comprising: 2 a filler having a downwardly open tube with a vertically displaceable lower end; discharge means for pouring bulk material down through the tube; transport means for conveying the row of bags horizontally in steps underneath the tube while holding the bags 8 against vertical displacement; 9 drive means for shifting the tube between a position 10 wholly above the bags and a position opening inside the bags 11 generally at a base of the one stopped bag; 12 means for monitoring a weight of a bag underneath the 13 tube; and 14 control means connected to the transport means, discharge 15 means, weight-monitoring means, and drive means for, when each bag 16 is stopped underneath the tube, sequentially 17 a) stopping each bag underneath the filler tube and 18 holding the bag against vertical movement, 19 b) pouring bulk material from the tube into the stopped 20 bag through the tube while simultaneously raising 21 the tube upward until the stopped bag is generally 22 full and the tube reaches a predetermined upper 23 position still engaged in the stopped bag

25	p.) bonting a bredetermined volume of the
26	material into the one stopped bag and
27	thereafter
28	b") monitoring a weight of the one stopped bag
29	and pouring the material into the one
30	stopped bag until the bag's weight reaches
31	a predetermined desired weight,
32	c) stopping pouring of the material from the tube when
33	the upper position is reached bag's weight reaches
34	the predetermined desired weight,
35	d) lifting the tube out of the stopped bag, and
36	e) stepping the row of bags horizontally and thereby
37	displacing the filled bag horizontally out from
38	underneath the apparatus until the next bag in the
39	succession row of bags is stopped underneath the
40	tube; and
41	f) repeating steps a) through e) sequentially with the
42	next bag stopped underneath the tube.
1	68. (previously presented) The bag-filling apparatus
2	defined in claim 67 wherein the filler has a hopper for the bulk
3	material.

- 69. (previously presented) The bag-filling apparatus
- defined in claim 67 wherein the filler has
- a frame;
- a drive motor on the frame; and
- a transmission connecting the drive motor to the tube.
- 70. (previously presented) The bag-filling apparatus defined in claim 67 wherein the drive means is of variable speed.
- 71. (previously presented) The bag-filling apparatus
  defined in claim 70 wherein the drive means shifts the tube
- downward at a faster speed than it uses to shift the tube upward.

## 72. (canceled)

73. (currently amended) The bag-filling apparatus

defined in claim [[61]] 67 wherein during step [[d')]] b') the

material is poured at a greater volume/time rate than during step

[[d")]] b").

and the second second

- 74. (previously presented) The bag-filling apparatus
  defined in claim 67, further comprising
- means for sealing the bags in a sealing station downstream of the filler.

- 75. (previously presented) The bag-filling apparatus defined in claim 67, further comprising
- means for laterally squeezing the bags to open same.
- 76. (currently amended) The bag-filling apparatus
- defined in claim 75 wherein the means for laterally squeezing
- 3 includes
- a pair of grippers engageable at opposite edges [[if]] of
- the bags and
- means for pushing the gripped opposite edges toward each
- other underneath the tube.
- 1 77. (previously presented) The bag-filling apparatus
- defined in claim 67, further comprising
- means for aspirating dust from the bag at the filling
- 4 apparatus.
- 78. (new) A method of filling a row of bags, the method
- comprising the steps of:
- a) conveying the row of bags horizontally until one of
- the bags is open upward into alignment underneath a filling
- 5 apparatus;
- b) stopping the one bag underneath the filling apparatus
- and, while the one bag is stopped underneath the apparatus and
- s without vertical displacement of the one bag, thereafter
- 9 sequentially

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- 10 c) shifting the apparatus from a position wholly above
  11 the one stopped bag into a position opening inside the one stopped
  12 bag generally at a base of the one stopped bag;
- d) while raising the apparatus upward to a
  predetermined upper position with the apparatus still engaged in
  the one stopped bag
  - d') pouring a predetermined volume of the material into the one stopped bag at a predetermined high volume/time rate and thereafter
  - d") monitoring a weight of the one stopped bag and pouring the material into the one stopped bag at a predetermined low volume/time rate smaller than the high rate until the bag's weight reaches a predetermined desired weight;
  - e) stopping pouring of the material from the apparatus when the bag's weight reaches the predetermined desired weight;
    - f) lifting the apparatus out of the one stopped bag;
  - g) thereafter displacing the one stopped bag horizontally out from underneath the apparatus; and
- 29 h) repeating steps a) through g) with the next bag in the 30 row of bags.